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## WHAT IS CLAIMED IS:

tion, comprising the steps of:

L	1. A method of building at least one stream or
2	smokable material from a mixture containing randomly dis-
3	tributed relatively large first particulate material and
<b>'</b> +	randomly distributed relatively small second particulate
5	material including a coarser fraction and a finer frac-

advancing the mixture against one side of at least one moving belt forming part of a pneumatic conveyor and having a permeability such that the belt entrains the first material but permits at least some of the second material to pass therethrough;

thereupon at least partially segregating the coarser an the finer fractions of the at least some second material from each other; and

admitting at least some of the segregated coarser fraction into the entrained first material.

- 2. The method of claim 1, further comprising the steps of conveying the segregated finer fraction of the at least some second material in an air stream, and separating the finer fraction from the air stream.
- 3. The method of claim 1, wherein the at least one belt moves in a predetermined direction and said advancing step includes feeding the mixture against the one side of the belt in the form of a shower which is elongated in said predetermined direction.
- 4. The method of claim 1, further comprising the step of establishing a suction chamber as a part of the pneumatic conveyor at the other side of the at least one belt to atract the first particulate material against the one side of the at least one belt.
- 5. The method of claim 1, wherein said segregating step includes directing at least some second material against the one side of the at least one moving belt.

- 6. The method of claim 1, wherein said segregating step includes directing the at least some second material against the first material being entrained by the at least one moving belt.
- 7. The method of claim 1, wherein said admitting step includes pneumatically conveying said at least some of the segregated coarser fraction into the entrained first material.
  - 8. The method of claim 1 of simultaneously building at least two streams of smokable material, further comprising the step of breaking up the mixture into at least two flows, said advancing step including simultaneously advancing each of the at least two flows against one side of one of at least two discrete moving belts and further comprising the step of dividing the at least some second material which has passed through the at least two belts into at least two masses prior to said segregating step.

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- 9. The method of claim 8, further comprising the step of introducing each of the at least two masses into a different one of the at least two streams.
  - 10. The method of claim 1, wherein said advancing step includes advancing the mixture against a relatively large first portion of the one side of the at least one belt and said segregating step includes directing the at least some second material against a relatively small second portion of the one side of the at least one belt so that the finer fraction passes through the at least one belt and the coarser fraction moves with the at least one belt, and evacuating the finer fraction at the other side of the at least one belt.
- 1 11. The method of claim 10, wherein said evacuating step includes entraining the finer fraction in an air stream and further comprising the step of regulating the quantity of air in the air stream to establish at the other side of the at least one belt a constant subatmospheric pressure.

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- 1 12. The method of claim 10, wherein the belt is 2 arranged to move in a predetermined direction and the 3 at least some second material is directed against the one 4 side of the belt upstream of delivery of first material, 5 as seen in said predetermined direction.
- 1 13. The method of claim 1, wherein said 2 segregating step includes directing the at least some 3 second material into the mixture advancing against the 4 one side of the at least one moving belt.
  - 14. The method of claim 13, further comprising the step of converting the entrained first material into a rod-like filler including removing a first portion of the entrained first material from a second portion at said one side of the at least one moving belt, said directing step including admitting the at least some second material into the second portion of the advancing first material.

1 15. The method of claim 1, wherein the at least
2 one moving belt is arranged to move lengthwise in a pre3 determined direction and further comprising the step of
4 imparting to the at least some of the second material
5 a component of movement in said predetermined direction
6 prior to said admitting step.

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1 16. Apparatus for building at least one stream of smokable material from a mixture containing relatively 2 large first particulate material and relatively small 3 second particulate material, comprising: transporting means including a pneumatic conveyor 5 having an endless running belt including a first side 6 7 and a second side, and at least one first suction chamber adjacent one side of said belt and having an outlet; 8 means for feeding at least a portion of the mixture 9 against the other side of the belt opposite said first 10 suction chamber, said belt having a permeability such 11 12 that it entrains the first material but permits at least 13 some second material to pass into said chamber; 14 means for evacuating second material from the first 15 suction chamber by way of said outlet; 16 means admitting evacuated second material for against at least one of (a) said other side of said belt 17 and (b) the first material being entrained by the belt; 18

and (b) the first material being entrained by the belt;

at least one second suction chamber disposed at said one side of said belt and arranged to gather second material being furnished by said admitting means and having passed through the belt due to suction in at least one of said chambers; and

means for drawing air and second material from said at least one second suction chamber.

- 1 17. The apparatus of claim 16, wherein at least 2 one of said material admitting means and said means for 3 drawing air and second material comprises at least one
- 4 air conveying conduit.
- 1 18. The apparatus of claim 16, wherein the volume 2 of said at least one first suction chamber greatly 3 exceeds the volume of said at least one second suction 4 chamber.
- 19. The apparatus of claim 16, wherein said at least one peumatic conveyor further includes means for moving said belt in a predetermined direction, said at least one second suction chamber being disposed upstream of said at least one first suction chamber, as seen in said predetermined direction.
- 1 20. The apparatus of claim 16, wherein said at
- 2 least one second suction chamber is disposed in said at
- 3 least one first suction chamber.

- least one pneumatic conveyor further includes means for moving said belt in a predetermined direction, said at least one second suction chamber having a first length and said at least one first suction chamber having a greater second length, as seen in said predetermined direction.
- 1 22. The apparatus of claim 16, wherein said at
  2 least one pneumatic conveyor further includes means for
  3 moving said belt in a predetermined direction, said at
  4 least one second suction chamber being spaced apart from
  5 said admitting means as seen in said predetermined direction.
- 23. The apparatus of claim 16, wherein said means for admitting the evacuated second material is arranged to discharge second material into said feeding means.

- 1 24. The apparatus, of claim 16, wherein said at
  2 least one pneumatic conveyor further includes means for
  3 moving said belt in a predetermined direction, said means
  4 for admitting the evacuated second material being
  5 arranged to discharge second material with a component
  6 of movement in said predetermined direction.
- 25. The apparatus of claim 16, further comprising means for monitoring the pressure in said at least one second suction chamber.
- 26. The apparatus of claim 16, further comprising means for monitoring the pressure in said at least one first suction chamber.
- 27. The apparatus of claim 16, further comprising means for regulating the pressure in said at least one second suction chamber.

- 28. The apparatus of claim 16, further comprising signal generating first sensor means for monitoring the pressure in said at least one first suction chamber, second signal generating sensor means for monitoring the pressure in said at least one second suction chamber, control means for processing the signals being generated by said first and second sensor means, and means for adjusting said air drawing means in response to signals being processed by said control means.
  - 29. The apparatus of claim 16, wherein said transporting means includes two conveyors each having an endless foraminous running belt and discrete second suction chambers for each belt, said feeding means including means for dividing the mixture into two fractions, and means for feeding a discrete one of said fractions of the mixture against the other side of each of said belts, said means for admitting including means for directing second material toward the other side of the respective belt at least substantially opposite the respective second suction chamber so that at least a substantial part of the finer fraction of second material having been directed against the other side of the respective belt is drawn into the respective second suction chamber.

- 1 30. The apparatus of claim 29, wherein said means
- 2 for admitting further includes adjustable means for
- 3 breaking up second material into a plurality of discrete
- 4 masses, one for each of said directing means.